Chunhua Weng

List of Publications by Year
in descending order

173 papers	5,150 citations	156536 32 h-index	134545 62 g-index
184 all docs	184 docs citations	184 times ranked	6427 citing authors

#	Article	IF	Citations
1	EHR-based cohort assessment for multicenter RCTs: a fast and flexible model for identifying potential study sites. Journal of the American Medical Informatics Association: JAMIA, 2022, 29, 652-659.	2.2	9
2	Under-specification as the source of ambiguity and vagueness in narrative phenotype algorithm definitions. BMC Medical Informatics and Decision Making, 2022, 22, 23.	1.5	1
3	Combining human and machine intelligence for clinical trial eligibility querying. Journal of the American Medical Informatics Association: JAMIA, 2022, 29, 1161-1171.	2.2	6
4	Leveraging electronic health record data for clinical trial planning by assessing eligibility criteriaâ€™s impact on patient count and safety. Journal of Biomedical Informatics, 2022, 127, 104032.	2.5	1
5	Arrhythmia Variant Associations and Reclassifications in the eMERGE-III Sequencing Study. Circulation, 2022, 145, 877-891.	1.6	18
6	Association of Pathogenic Variants in Hereditary Cancer Genes With Multiple Diseases. JAMA Oncology, 2022, 8, 835.	3.4	25
7	Risk Factors Associated With SARS-CoV-2 Breakthrough Infections in Fully mRNA-Vaccinated Individuals: Retrospective Analysis. JMIR Public Health and Surveillance, 2022, 8, e35311.	1.2	13
8	Psychiatric manifestations of rare variation in medically actionable genes: a PheWAS approach. BMC Genomics, 2022, 23, 385.	1.2	1
9	Genome-wide polygenic score to predict chronic kidney disease across ancestries. Nature Medicine, 2022, 28, 1412-1420.	15.2	48
10	Large-scale genomic analyses reveal insights into pleiotropy across circulatory system diseases and nervous system disorders. Nature Communications, 2022, 13, .	5.8	6
11	Contemporary use of real-world data for clinical trial conduct in the United States: a scoping review. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 144-154.	2.2	33
12	An electronic health record (EHR) log analysis shows limited clinician engagement with unsolicited genetic test results. JAMIA Open, 2021, 4, ooab014.	1.0	5
13	A Framework (SOCRATex) for Hierarchical Annotation of Unstructured Electronic Health Records and Integration Into a Standardized Medical Database: Development and Usability Study. JMIR Medical Informatics, 2021, 9, e23983.	1.3	8
14	Data Quality of Chemotherapy-Induced Nausea and Vomiting Documentation. Applied Clinical Informatics, 2021, 12, 320-328.	0.8	5
15	Factors Affecting the Quality of Person-Generated Wearable Device Data and Associated Challenges: Rapid Systematic Review. JMIR MHealth and UHealth, 2021, 9, e20738.	1.8	38
16	Medical records-based chronic kidney disease phenotype for clinical care and â€œbig dataâ€•observational and genetic studies. Npj Digital Medicine, 2021, 4, 70.	5.7	39
17	AI uses patient data to optimize selection of eligibility criteria for clinical trials. Nature, 2021, 592, 512-513.	13.7	7
18	Similarity-based health risk prediction using Domain Fusion and electronic health records data. Journal of Biomedical Informatics, 2021, 116, 103711.	2.5	3

#	Article	IF	Citations
19	Comparative effectiveness of medical concept embedding for feature engineering in phenotyping. JAMIA Open, 2021, 4, ooab028.	1.0	7
20	Comparison of Clinical Characteristics Between Clinical Trial Participants and Nonparticipants Using Electronic Health Record Data. JAMA Network Open, 2021, 4, e214732.	2.8	18
21	Penetrance of Breast Cancer Susceptibility Genes from the eMERGE III Network. JNCI Cancer Spectrum, 2021, 5, pkab044.	1.4	14
22	Preferences for Updates on General Research Results: A Survey of Participants in Genomic Research from Two Institutions. Journal of Personalized Medicine, 2021, 11, 399.	1.1	3
23	A knowledge base of clinical trial eligibility criteria. Journal of Biomedical Informatics, 2021, 117, 103771.	2.5	18
24	PhenCards: a data resource linking human phenotype information to biomedical knowledge. Genome Medicine, 2021, 13, 91.	3.6	6
25	Participatory Design of a Clinical Trial Eligibility Criteria Simplification Method. Studies in Health Technology and Informatics, 2021, 281, 984-988.	0.2	2
26	A neuro-symbolic method for understanding free-text medical evidence. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 1703-1711.	2.2	2
27	Building an OMOP common data model-compliant annotated corpus for COVID-19 clinical trials. Journal of Biomedical Informatics, 2021, 118, 103790.	2.5	8
28	A deep database of medical abbreviations and acronyms for natural language processing. Scientific Data, 2021, 8, 149.	2.4	13
29	A Mendelian Randomization Approach Using 3-HMG-Coenzyme-A Reductase Gene Variation to Evaluate the Association of Statin-Induced Low-Density Lipoprotein Cholesterol Lowering With Noncardiovascular Disease Phenotypes. JAMA Network Open, 2021, 4, e2112820.	2.8	16
30	Clinical comparison between trial participants and potentially eligible patients using electronic health record data: A generalizability assessment method. Journal of Biomedical Informatics, 2021, 119, 103822.	2.5	8
31	Clinical Phenotypic Spectrum of 4095 Individuals with Down Syndrome from Text Mining of Electronic Health Records. Genes, 2021, 12, 1159.	1.0	6
32	Quantitative disease risk scores from EHR with applications to clinical risk stratification and genetic studies. Npj Digital Medicine, 2021, 4, 116.	5.7	7
33	Generalizability of Polygenic Risk Scores for Breast Cancer Among Women With European, African, and Latinx Ancestry. JAMA Network Open, 2021, 4, e2119084.	2.8	31
34	From clinical trials to clinical practice: How long are drugs tested and then used by patients?. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 2456-2460.	2.2	2
35	A Framework for Systematic Assessment of Clinical Trial Population Representativeness Using Electronic Health Records Data. Applied Clinical Informatics, 2021, 12, 816-825.	0.8	3
36	A conceptual framework for external validity. Journal of Biomedical Informatics, 2021, 121, 103870.	2.5	4

#	Article	IF	Citations
37	Columbia Open Health Data for COVID-19 Research: Database Analysis. Journal of Medical Internet Research, 2021, 23, e31122.	2.1	3
38	The Potential Role of EHR data in optimizing eligibility criteria definition for cardiovascular outcome trials. International Journal of Medical Informatics, 2021, 156, 104587.	1.6	0
39	GeneLiFT: A novel test to facilitate rapid screening of genetic literacy in a diverse population undergoing genetic testing. Journal of Genetic Counseling, 2021, 30, 742-754.	0.9	16
40	Towards clinical data-driven eligibility criteria optimization for interventional COVID-19 clinical trials. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 14-22.	2.2	19
41	The COVID-19 Trial Finder. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 616-621.	2.2	5
42	UMLS-based data augmentation for natural language processing of clinical research literature. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 812-823.	2.2	30
43	A systematic review on natural language processing systems for eligibility prescreening in clinical research. Journal of the American Medical Informatics Association: JAMIA, 2021, 29, 197-206.	2.2	12
44	A Comparison between Human and NLP-based Annotation of Clinical Trial Eligibility Criteria Text Using The OMOP Common Data Model. AMIA Summits on Translational Science Proceedings, 2021, 2021, 394-403.	0.4	2
45	Identifying Data Quality Dimensions for Person-Generated Wearable Device Data: Multi-Method Study. JMIR MHealth and UHealth, 2021, 9, e31618.	1.8	6
46	Clinical data quality: a data life cycle perspective. Biostatistics and Epidemiology, 2020, 4, 6-14.	0.4	9
47	Missense variants in TAF1 and developmental phenotypes: Challenges of determining pathogenicity. Human Mutation, 2020, 41, 449-464.	1.1	17
48	Adapting electronic health records-derived phenotypes to claims data: Lessons learned in using limited clinical data for phenotyping. Journal of Biomedical Informatics, 2020, 102, 103363.	2.5	13
49	Understanding the nature and scope of clinical research commentaries in PubMed. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 449-456.	2.2	10
50	Chia, a large annotated corpus of clinical trial eligibility criteria. Scientific Data, 2020, 7, 281.	2.4	19
51	Choices, attitudes, and experiences of genetic screening in Latino/a and Ashkenazi Jewish individuals. Journal of Community Genetics, 2020, 11, 391-403.	0.5	4
52	Deep phenotyping: Embracing complexity and temporalityâ€"Towards scalability, portability, and interoperability. Journal of Biomedical Informatics, 2020, 105, 103433.	2.5	51
53	Translating evidence into practice: eligibility criteria fail to eliminate clinically significant differences between real-world and study populations. Npj Digital Medicine, 2020, 3, 67.	5.7	75
54	Phen2Gene: rapid phenotype-driven gene prioritization for rare diseases. NAR Genomics and Bioinformatics, 2020, 2, lqaa032.	1.5	45

#	Article	IF	Citations
55	Impact of IMPACT: Longitudinal Analysis of an Integrated Participant Scheduling System in a Clinical Research Setting. AMIA ... Annual Symposium proceedings, 2020, 2020, 283-292.	0.2	0
56	Facilitating phenotype transfer using a common data model. Journal of Biomedical Informatics, 2019, 96, 103253.	2.5	49
57	Clinical Data: Sources and Types, Regulatory Constraints, Applications. Clinical and Translational Science, 2019, 12, 329-333.	1.5	20
58	Making work visible for electronic phenotype implementation: Lessons learned from the eMERGE network. Journal of Biomedical Informatics, 2019, 99, 103293.	2.5	27
59	DQueST: dynamic questionnaire for search of clinical trials. Journal of the American Medical Informatics Association: JAMIA, 2019, 26, 1333-1343.	2.2	9
60	Ensembles of natural language processing systems for portable phenotyping solutions. Journal of Biomedical Informatics, 2019, 100, 103318.	2.5	19
61	Harmonizing Clinical Sequencing and Interpretation for the eMERGE III Network. American Journal of Human Genetics, 2019, 105, 588-605.	2.6	99
62	Pathway analysis of genomic pathology tests for prognostic cancer subtyping. Journal of Biomedical Informatics, 2019, 98, 103286.	2.5	3
63	Doc2Hpo: a web application for efficient and accurate HPO concept curation. Nucleic Acids Research, 2019, 47, W566-W570.	6.5	47
64	Complexities, variations, and errors of numbering within clinical notes: the potential impact on information extraction and cohort-identification. BMC Medical Informatics and Decision Making, 2019, 19, 75.	1.5	9
65	Informatics Approaches to Participant Recruitment. Computers in Health Care, 2019, , 109-122.	0.2	1
66	Evaluation of the cost and effectiveness of diverse recruitment methods for a genetic screening study. Genetics in Medicine, 2019, 21, 2371-2380.	1.1	10
67	Semi-supervised learning to improve generalizability of risk prediction models. Journal of Biomedical Informatics, 2019, 92, 103117.	2.5	19
68	Advancing Clinical Research Through Natural Language Processing on Electronic Health Records: Traditional Machine Learning Meets Deep Learning. Computers in Health Care, 2019, , 357-378.	0.2	9
69	Criteria2Query: a natural language interface to clinical databases for cohort definition. Journal of the American Medical Informatics Association: JAMIA, 2019, 26, 294-305.	2.2	81
70	Pretraining to Recognize PICO Elements from Randomized Controlled Trial Literature. Studies in Health Technology and Informatics, 2019, 264, 188-192.	0.2	11
71	Detecting Systemic Data Quality Issues in Electronic Health Records. Studies in Health Technology and Informatics, 2019, 264, 383-387.	0.2	13
72	A Data Element-Function Conceptual Model for Data Quality Checks. EGEMS (Washington, DC), 2019, 7, 17.	2.0	4

#	Article	IF	Citations
73	Dialogue Analysis for Clinical Data Query Mediation. Studies in Health Technology and Informatics, 2019, 264, 1398-1402.	0.2	0
74	User engagement with web-based genomics education videos and implications for designing scalable patient education materials. AMIA ... Annual Symposium proceedings, 2019, 2019, 923-932.	0.2	0
75	The ranking of scientists. Journal of Biomedical Informatics, 2018, 79, 145-146.	2.5	2
76	A conceptual framework for evaluating data suitability for observational studies. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 248-258.	2.2	8
77	The representativeness of eligible patients in type 2 diabetes trials: a case study using GIST 2.0. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 239-247.	2.2	13
78	Trends in anesthesiology research: a machine learning approach to theme discovery and summarization. JAMIA Open, 2018, 1, 283-293.	1.0	12
79	A method for harmonization of clinical abbreviation and acronym sense inventories. Journal of Biomedical Informatics, 2018, 88, 62-69.	2.5	10
80	Call for papers: Deep phenotyping for Precision Medicine. Journal of Biomedical Informatics, 2018, 87, 66-67.	2.5	3
81	Harmonizing Outcomes for Genomic Medicine: Comparison of eMERGE Outcomes to ClinGen Outcome/Intervention Pairs. Healthcare (Switzerland), 2018, 6, 83.	1.0	18
82	Deep Phenotyping on Electronic Health Records Facilitates Genetic Diagnosis by Clinical Exomes. American Journal of Human Genetics, 2018, 103, 58-73.	2.6	99
83	Empowering genomic medicine by establishing critical sequencing result data flows: the eMERGE example. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 1375-1381.	2.2	21
84	Columbia Open Health Data, clinical concept prevalence and co-occurrence from electronic health records. Scientific Data, 2018, 5, 180273.	2.4	41
85	The Data Gap in the EHR for Clinical Research Eligibility Screening. AMIA Summits on Translational Science Proceedings, 2018, 2017, 320-329.	0.4	7
86	EliIE: An open-source information extraction system for clinical trial eligibility criteria. Journal of the American Medical Informatics Association: JAMIA, 2017, 24, 1062-1071.	2.2	72
87	Evidence appraisal: a scoping review, conceptual framework, and research agenda. Journal of the American Medical Informatics Association: JAMIA, 2017, 24, 1192-1203.	2.2	17
88	An Interoperable Similarity-based Cohort Identification Method Using the OMOP Common Data Model Version 5.0. Journal of Healthcare Informatics Research, 2017, 1, 1-18.	5.3	3
89	Correlating eligibility criteria generalizability and adverse events using Big Data for patients and clinical trials. Annals of the New York Academy of Sciences, 2017, 1387, 34-43.	1.8	18
90	Assessing the readiness of precision medicine interoperabilty: An exploratory study of the National Institutes of Health genetic testing registry. Journal of Innovation in Health Informatics, 2017, 24, 323.	0.9	5

#	Article	IF	Citations
91	A survey of practices for the use of electronic health records to support research recruitment. Journal of Clinical and Translational Science, 2017, 1, 246-252.	0.3	51
92	A Harmonized Data Quality Assessment Terminology and Framework for the Secondary Use of Electronic Health Record Data. EGEMS (Washington, DC), 2017, 4, 18.	2.0	274
93	A Data Quality Assessment Guideline for Electronic Health Record Data Reuse. EGEMS (Washington,) Tj ETQq1 1 0.784314 rgBT /Ove	2.0	83
94	Correlating Lab Test Results in Clinical Notes with Structured Lab Data: A Case Study in HbA1c and Glucose. AMIA Summits on Translational Science Proceedings, 2017, 2017, 221-228.	0.4	3
95	An OMOP CDM-Based Relational Database of Clinical Research Eligibility Criteria. Studies in Health Technology and Informatics, 2017, 245, 950-954.	0.2	10
96	Valx: A System for Extracting and Structuring Numeric Lab Test Comparison Statements from Text. Methods of Information in Medicine, 2016, 55, 266-275.	0.7	34
97	Pathogenic Mutations in Cancer-Predisposing Genes: A Survey of 300 Patients with Whole-Genome Sequencing and Lifetime Electronic Health Records. PLoS ONE, 2016, 11, e0167847.	1.1	4
98	Unsupervised Time-Series Clustering Over Lab Data for Automatic Identification of Uncontrolled Diabetes. , 2016, , .		3
99	A data-driven concept schema for defining clinical research data needs. International Journal of Medical Informatics, 2016, 91, 1-9.	1.6	12
100	Leveraging dialog systems research to assist biomedical researchersâ€™ interrogation of Big Clinical Data. Journal of Biomedical Informatics, 2016, 61, 176-184.	2.5	5
101	A multi-site cognitive task analysis for biomedical query mediation. International Journal of Medical Informatics, 2016, 93, 74-84.	1.6	1
102	GIST 2.0: A scalable multi-trait metric for quantifying population representativeness of individual clinical studies. Journal of Biomedical Informatics, 2016, 63, 325-336.	2.5	20
103	Bacterial clinical infectious diseases ontology (BCIDO) dataset. Data in Brief, 2016, 8, 881-884.	0.5	6
104	Automated learning of domain taxonomies from text using background knowledge. Journal of Biomedical Informatics, 2016, 63, 295-306.	2.5	17
105	DREAM: Classification scheme for dialog acts in clinical research query mediation. Journal of Biomedical Informatics, 2016, 59, 89-101.	2.5	7
106	Multivariate analysis of the population representativeness of related clinical studies. Journal of Biomedical Informatics, 2016, 60, 66-76.	2.5	21
107	Prediction of black box warning by mining patterns of Convergent Focus Shift in clinical trial study populations using linked public data. Journal of Biomedical Informatics, 2016, 60, 132-144.	2.5	4
108	Facilitating biomedical researchersâ€™ interrogation of electronic health record data: Ideas from outside of biomedical informatics. Journal of Biomedical Informatics, 2016, 60, 376-384.	2.5	12

#	Article	IF	Citations
109	IDENTIFICATION OF QUESTIONABLE EXCLUSION CRITERIA IN MENTAL DISORDER CLINICAL TRIALS USING A MEDICAL ENCYCLOPEDIA. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2016, 21, 219-30.	0.7	6
110	How Have Cancer Clinical Trial Eligibility Criteria Evolved Over Time?. AMIA Summits on Translational Science Proceedings, 2016, 2016, 269-78.	0.4	2
111	Adaptive Semantic Tag Mining from Heterogeneous Clinical Research Texts. Methods of Information in Medicine, 2015, 54, 164-170.	0.7	6
112	Case-based reasoning using electronic health records efficiently identifies eligible patients for clinical trials. Journal of the American Medical Informatics Association: JAMIA, 2015, 22, e141-e150.	2.2	70
113	Combining expert knowledge and knowledge automatically acquired from electronic data sources for continued ontology evaluation and improvement. Journal of Biomedical Informatics, 2015, 57, 42-52.	2.5	12
114	Visual aggregate analysis of eligibility features of clinical trials. Journal of Biomedical Informatics, 2015, 54, 241-255.	2.5	17
115	Optimizing Clinical Research Participant Selection with Informatics. Trends in Pharmacological Sciences, 2015, 36, 706-709.	4.0	30
116	Assessing the Collective Population Representativeness of Related Type 2 Diabetes Trials by Combining Public Data from ClinicalTrials.gov and NHANES. Studies in Health Technology and Informatics, 2015, 216, 569-73.	0.2	23
117	Simulation-based Evaluation of the Generalizability Index for Study Traits. AMIA ... Annual Symposium proceedings, 2015, 2015, 594-603.	0.2	9
118	Desiderata for Major Eligibility Criteria in Breast Cancer Clinical Trials. AMIA ... Annual Symposium proceedings, 2015, 2015, 2025-34.	0.2	2
119	Associating co-authorship patterns with publications in high-impact journals. Journal of Biomedical Informatics, 2014, 52, 311-318.	2.5	26
120	From expert-derived user needs to user-perceived ease of use and usefulness: A two-phase mixed-methods evaluation framework. Journal of Biomedical Informatics, 2014, 52, 141-150.	2.5	21
121	Hidden in plain sight: bias towards sick patients when sampling patients with sufficient electronic health record data for research. BMC Medical Informatics and Decision Making, 2014, 14, 51.	1.5	90
122	Clustering clinical trials with similar eligibility criteria features. Journal of Biomedical Informatics, 2014, 52, 112-120.	2.5	57
123	Trend and Network Analysis of Common Eligibility Features for Cancer Trials in ClinicalTrials.gov. Lecture Notes in Computer Science, 2014, 8549, 130-141.	1.0	5
124	Considerations for using research data to verify clinical data accuracy. AMIA Summits on Translational Science Proceedings, 2014, 2014, 211-7.	0.4	7
125	Toward a cognitive task analysis for biomedical query mediation. AMIA Summits on Translational Science Proceedings, 2014, 2014, 218-22.	0.4	6
126	Using software to elicit user needs for clinical research visit scheduling. AMIA Summits on Translational Science Proceedings, 2014, 2014, 109-15.	0.4	0

#	Article	IF	Citations
127	Enhancing electronic health records to support clinical research. AMIA Summits on Translational Science Proceedings, 2014, 2014, 102-8.	0.4	2
128	Development and validation of an electronic phenotyping algorithm for chronic kidney disease. AMIA ... Annual Symposium proceedings, 2014, 2014, 907-16.	0.2	31
129	A method for analyzing commonalities in clinical trial target populations. AMIA ... Annual Symposium proceedings, 2014, 2014, 1777-86.	0.2	16
130	What Is Asked in Clinical Data Request Forms? A Multi-site Thematic Analysis of Forms Towards Better Data Access Support. AMIA ... Annual Symposium proceedings, 2014, 2014, 616-25.	0.2	5
131	Towards symbiosis in knowledge representation and natural language processing for structuring clinical practice guidelines. Studies in Health Technology and Informatics, 2014, 201, 461-9.	0.2	2
132	An Integrated Model for Patient Care and Clinical Trials (IMPACT) to support clinical research visit scheduling workflow for future learning health systems. Journal of Biomedical Informatics, 2013, 46, 642-652.	2.5	25
133	A humanâ€“computer collaborative approach to identifying common data elements in clinical trial eligibility criteria. Journal of Biomedical Informatics, 2013, 46, 33-39.	2.5	38
134	eTACTS: A method for dynamically filtering clinical trial search results. Journal of Biomedical Informatics, 2013, 46, 1060-1067.	2.5	23
135	Unsupervised mining of frequent tags for clinical eligibility text indexing. Journal of Biomedical Informatics, 2013, 46, 1145-1151.	2.5	29
136	Defining and measuring completeness of electronic health records for secondary use. Journal of Biomedical Informatics, 2013, 46, 830-836.	2.5	276
137	A centralized research data repository enhances retrospective outcomes research capacity: a case report. Journal of the American Medical Informatics Association: JAMIA, 2013, 20, 563-567.	2.2	19
138	Methods and dimensions of electronic health record data quality assessment: enabling reuse for clinical research. Journal of the American Medical Informatics Association: JAMIA, 2013, 20, 144-151.	2.2	784
139	A collaborative approach to developing an electronic health record phenotyping algorithm for drug-induced liver injury. Journal of the American Medical Informatics Association: JAMIA, 2013, 20, e243-e252.	2.2	63
140	Discovering medical conditions associated with periodontitis using linked electronic health records. Journal of Clinical Periodontology, 2013, 40, 474-482.	2.3	48
141	Feasibility of Feature-based Indexing, Clustering, and Search of Clinical Trials. Methods of Information in Medicine, 2013, 52, 382-394.	0.7	21
142	Extracting and Normalizing Temporal Expressions in Clinical Data Requests from Researchers. Lecture Notes in Computer Science, 2013, , 41-51.	1.0	9
143	A method for probing disease relatedness using common clinical eligibility criteria. Studies in Health Technology and Informatics, 2013, 192, 481-5.	0.2	9
144	Evaluation considerations for EHR-based phenotyping algorithms: A case study for drug-induced liver injury. AMIA Summits on Translational Science Proceedings, 2013, 2013, 130-4.	0.4	7

#	Article	IF	Citations
145	Characterization of the biomedical query mediation process. AMIA Summits on Translational Science Proceedings, 2013, 2013, 89-93.	0.4	14
146	Sick patients have more data: the non-random completeness of electronic health records. AMIA ... Annual Symposium proceedings, 2013, 2013, 1472-7.	0.2	55
147	Design and evaluation of a bacterial clinical infectious diseases ontology. AMIA ... Annual Symposium proceedings, 2013, 2013, 502-11.	0.2	7
148	Natural Language Processing, Electronic Health Records, and Clinical Research. Computers in Health Care, 2012, , 293-310.	0.2	15
149	An Initial Log Analysis of Usage Patterns on a Research Networking System. Clinical and Translational Science, 2012, 5, 340-347.	1.5	4
150	Using EHRs to integrate research with patient care: promises and challenges: Table 1. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, 684-687.	2.2	70
151	Clinical research informatics: a conceptual perspective. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, e36-e42.	2.2	38
152	Informatics Approaches to Participant Recruitment. Computers in Health Care, 2012, , 81-93.	0.2	1
153	EliXR-TIME: A Temporal Knowledge Representation for Clinical Research Eligibility Criteria. AMIA Summits on Translational Science Proceedings, 2012, 2012, 71-80.	0.4	17
154	Combining PubMed knowledge and EHR data to develop a weighted bayesian network for pancreatic cancer prediction. Journal of Biomedical Informatics, 2011, 44, 859-868.	2.5	106
155	Dynamic categorization of clinical research eligibility criteria by hierarchical clustering. Journal of Biomedical Informatics, 2011, 44, 927-935.	2.5	40
156	EliXR: an approach to eligibility criteria extraction and representation. Journal of the American Medical Informatics Association: JAMIA, 2011, 18, i116-i124.	2.2	109
157	Extracting temporal constraints from clinical research eligibility criteria using conditional random fields. AMIA ... Annual Symposium proceedings, 2011, 2011, 843-52.	0.2	17
158	A real-time screening alert improves patient recruitment efficiency. AMIA ... Annual Symposium proceedings, 2011, 2011, 1489-98.	0.2	32
159	Formal representation of eligibility criteria: A literature review. Journal of Biomedical Informatics, 2010, 43, 451-467.	2.5	156
160	<scp>Special Report</scp>: Identifying Interdisciplinary Research Priorities to Prevent and Treat Pediatric Obesity in New York City. Clinical and Translational Science, 2010, 3, 172-177.	1.5	4
161	Developing a multivariable prognostic model for pancreatic endocrine tumors using the clinical data warehouse resources of a single institution. Applied Clinical Informatics, 2010, 01, 38-49.	0.8	6
162	Comparing the effectiveness of a clinical registry and a clinical data warehouse for supporting clinical trial recruitment: a case study. AMIA ... Annual Symposium proceedings, 2010, 2010, 867-71.	0.2	19

#	Article	IF	Citations
163	Semi-Automatically Inducing Semantic Classes of Clinical Research Eligibility Criteria Using UMLS and Hierarchical Clustering. AMIA ... Annual Symposium proceedings, 2010, 2010, 487-91.	0.2	18
164	Secondary Use of EHR: Data Quality Issues and Informatics Opportunities. Summit on Translational Bioinformatics, 2010, 2010, 1-5.	0.7	122
165	Corpus-based Approach to Creating a Semantic Lexicon for Clinical Research Eligibility Criteria from UMLS. Summit on Translational Bioinformatics, 2010, 2010, 26-30.	0.7	16
166	A review of auditing methods applied to the content of controlled biomedical terminologies. Journal of Biomedical Informatics, 2009, 42, 413-425.	2.5	97
167	Electronic Screening Improves Efficiency in Clinical Trial Recruitment. Journal of the American Medical Informatics Association: JAMIA, 2009, 16, 869-873.	2.2	118
168	Comparing ICD9-encoded diagnoses and NLP-processed discharge summaries for clinical trials pre-screening: a case study. AMIA ... Annual Symposium proceedings, 2008, , 404-8.	0.2	49
169	ECRL: an eligibility criteria representation language based on the UMLS Semantic Network. AMIA ... Annual Symposium proceedings, 2008, , 1084.	0.2	4
170	Participatory design of a collaborative clinical trial protocol writing system. International Journal of Medical Informatics, 2007, 76, S245-S251.	1.6	29
171	User-centered semantic harmonization: A case study. Journal of Biomedical Informatics, 2007, 40, 353-364.	2.5	35
172	Asynchronous communication among clinical researchers: A study for systems design. International Journal of Medical Informatics, 2005, 74, 797-807.	1.6	24
173	Temporal knowledge representation for scheduling tasks in clinical trial protocols. Proceedings, 2002, , 879-83.	0.6	6